

Robotic Welder



The Stanley Robotic Rail Welder is an automatic arc-welding unit that utilizes a coated wire without gas. It is ideal for field applications where spot in-track repairing of rails or frogs is required. The totally independent and automatic design of the unit allows for the maximum flexibility with its small compact design. The operation of the Stanley Robotic Welder offers the simplistic approach to accommodating unskilled workers to perform welds previously where a skilled

welder was required. The remote computer with a simple keyboard allows for simple programming and set-up. Once engaged the automatic motorized welding nozzle takes over. The operator simply sits back and the robotic welder takes over providing consistent high quality welds every time. Welds of up to 600mm/23 in. by 140mm/5.5 in. in area can be accomplished.

The Stanley Robotic Welder is constructed with composite resins, aluminum, and stainless steel. The design provides a lightweight and rugged unit as well as excellent weather protection for welding in rain or snow.

The robotic welder consists of three main components: the welding machine, the pilot computerized controller, and the wire drum. In addition an optional track wheel kit, power supply, and/or rail clamps.

The productivity and Safety of this product is unmatched by any other method making this the method of choice for the future.



KEY FEATURES

- Wire Feed Drive utilizes 4 rollers for positive wire feeding to nozzle
- Internal wire straightener suppresses the curving of the wire
- Self cooling wire nozzle
- Electronic controller automatically manages all steps of the welding process
- Works in all weather conditions
- Internal memory stores up to 200 different weld cycles
- Automatic Call up on memory for automation (ie:tread, track end, lateral wear, and switch gear)

Stanley products are available to suit many of the world's railway standards. For further details, please contact your distributor.



OPERATION AND PERFORMANCE

ITEM	U.S.A.	METRIC
Weight (Robot Unit)	121 lbs	55 kg
Weight (Electronic Controller)	6.6 lbs	3 kg
Weight (Wire Drum)	37.4 lbs	17 kg
Approx. Weld Penetration	.23 in.	6 mm
Approx. Overall Weld Thickness	.16 in.	4 mm
Est. Weld Speed	5.0 sq in./min	32 sq/cm/min
Length	47 in	1200 mm
Width	31.4 in	800 mm
Height	35.4 in.	900 mm



Welding Nozzle



Completed Weld



Welding a Frog



Completed Weld on a Frog

WHERE TO ORDER

DISTRIBUTOR DETAILS



+1 503 659 5660 +1 503 652 1780  www.stanleyrailroadproducts.com

 Stanley Railroad Products 3810 SE Naef Rd. Milwaukie, Oregon 97267 USA